

20030111.ba v03\_n432.bam.20030111

>From ???@??? Sat Jan 11 23:16:06 2003 -0600  
Message-Id: <200301120516.h0C5FuV7008647@sco.theporch.com>  
Date: Sat, 11 Jan 2003 23:15:25 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3432

## BOATANCHORS Digest 3432

Topics covered in this issue include:

- 1) Howard Receivers  
by "JAMES T HANLON" <knjhanlon@msn.com>
- 2) Re: Boulevard Electronics Receiver  
by "JAMES T HANLON" <knjhanlon@msn.com>
- 3) FS: Drake AC-4 power supply for C-Line, TR4-  
by Michael Crestohl <mc@sover.net>
- 4) FS: Drake RV-4C Drake Remote VFO/Speaker Console  
by Michael Crestohl <mc@sover.net>
- 5) Re: Navy DAE-1 radio direction finder info  
by "Kenneth Hickman" <n5cm@rtconline.com>
- 6) SX 28 and Hq180 R.f. covers  
by W7fni@aol.com
- 7) Re: SX 28 and Hq180 R.f. covers  
by "Al Parker" <anchor@ec.rr.com>
- 8) For Sale: Various Items  
by David Hollander <n7rk@cox.net>
- 9) What Final Amplifier Tubes Go with What Radios  
by David Hollander <n7rk@cox.net>
- 10) Astatic D-104 look alike  
by Heinz und Hannelore Breuer <hbreuer@debitel.net>
- 11) Graymark 515 Transmitter question  
by "Tom Bridgers" <tarheel6@msn.com>
- 12) Re: Graymark 515 Transmitter question  
by "Hue Miller" <kargo\_cult@msn.com>
- 13) Re: Graymark 515 Transmitter question  
by "Tom Bridgers" <tarheel6@msn.com>
- 14) BA Winter get together at W4UOC  
by "David L. Thompson" <thompson@mindspring.com>
- 15) FWD: Interesting Email from RME engineer  
by "James C. Garland" <4cx250b@muohio.edu>
- 16) Re: Need Tektronix 454 Scope Manual  
by jan@skirrow.org
- 17) Hallicrafters External S-Meter.  
by "R.J. Mattson" <rjmattson@hvi.net>
- 18) Re: Hallicrafters External S-Meter.

by "Sandy W5TVW" <ebjr@i-55.com>  
19) Graymark part-15 BC blaster  
by "Hue Miller" <kargo\_cult@msn.com>

-----  
From: "JAMES T HANLON" <knjhanlon@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "John MacAulay" <jmac6235@yahoo.com>,  
"boatanchors" <boatanchors@theporch.com>  
Subject: Howard Receivers  
Date: Thu, 9 Jan 2003 06:31:19 -0700  
MIME-Version: 1.0  
Content-Type: multipart/alternative; boundary="----  
=\_NextPart\_001\_0000\_01C2B7A8.B8804D00"  
Message-ID: <DAV26UKzVoWXwyotByh000133ff@hotmail.com>

-----=\_NextPart\_001\_0000\_01C2B7A8.B8804D00  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Dave,

If you look in the ER index you will find an article on the Howard 438 that I wrote back around 1990 and a later article on the 435A and 436A that John MacAulay and I wrote. Mac has his 435A/Heathkit AT-1 (original) station on the air, and my 438 is still playing on the Classic Exchange. I also have a 490 that is currently in line to be repaired. Thanks for devoting some space to Howard receivers.

Jim Hanlon, W8KGI

-----=\_NextPart\_001\_0000\_01C2B7A8.B8804D00  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_NextPart\_001\_0000\_01C2B7A8.B8804D00--

-----

From: "JAMES T HANLON" <knjhanlon@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "boatanchors" <boatanchors@theporch.com>  
Subject: Re: Boulevard Electronics Receiver  
Date: Thu, 9 Jan 2003 06:35:09 -0700  
MIME-Version: 1.0  
Content-Type: multipart/alternative; boundary="-----  
=\_NextPart\_001\_0001\_01C2B7A9.41ACE0C0"  
Message-ID: <DAV829et1dSlWnPdQ2K0000aaa7@hotmail.com>

-----=\_NextPart\_001\_0001\_01C2B7A9.41ACE0C0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Jack,

If you don't find any information specific to your new receiver, look up =  
my articles in ER a year or two ago about how to service and align receiv=  
ers. There is enough information in there to talk you through how to do =  
the job. All you have to do is to guess which coils and trimmer capacito=  
rs belong to which stages and bands, and that shouldn't be hard to figure=  
out.

Good luck,

Jim, W8KGI

-----=\_NextPart\_001\_0001\_01C2B7A9.41ACE0C0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
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\* \* \* \* \*

-----=\_NextPart\_001\_0001\_01C2B7A9.41ACE0C0--

-----  
Message-Id: <5.1.1.6.2.20030109083230.01e68e70@mail.sover.net>  
Date: Thu, 09 Jan 2003 08:34:58 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Michael Crestohl <mc@sover.net>

Subject: FS: Drake AC-4 power supply for C-Line, TR4-  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang:

I'm clearing out some more stuff I probably won't ever use. This is a nice clean, working and bench tested AC power supply for Drake radios. I am asking \$100.00 plus shipping from ZIP 05047.

If interested please reply by e-mail to mc@sover.net

73 all, hope you had great holidays.

73,

Michael,  
W1RC

-----  
Message-Id: <5.1.1.6.2.20030109083506.01e717b0@mail.sover.net>  
Date: Thu, 09 Jan 2003 08:36:45 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Michael Crestohl <mc@sover.net>  
Subject: FS: Drake RV-4C Drake Remote VFO/Speaker Console  
Mime-Version: 1.0  
Content-Type: text/html; charset="us-ascii"

<p><pre>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\*\*\*\*\*  
\* To the SENDER of this email: \*  
\*-----\*  
\* Please don't use HTML tags or 'rich text' here. \*  
\* Set your emailer to turn that off. \*  
\*\*\*\*\*

</pre><p>

<html>

<font size=3>Hi Gang:<br><br>

I'm clearing out some more stuff I probably won't ever use.&nbsp; This is a nice clean, RV-4C remote vfo and speaker cabinet for the Drake TR-4C and TR-4CW radios.&nbsp; It will probably also work with earlier TR-4 models and maybe even the TR-3.&nbsp; I am asking \$150.00 plus shipping from ZIP 05047.<br><br>

If interested please reply by e-mail to&nbsp; mc@sover.net<br><br>

73 all, hope you had great holidays.<br><br>

73,<br><br>  
Michael,<br>  
W1RC </font></html>

-----  
Message-ID: <000c01c2b7fd\$0a6698a0\$414e9844@jhptj01>  
From: "Kenneth Hickman" <n5cm@rtconline.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Navy DAE-1 radio direction finder info  
Date: Thu, 9 Jan 2003 10:34:53 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Richard & Phillip,

Correction to taking bearings with a DF....The nulls 180 degrees from from each other means that the true direction is one or the other....With the "sense" feature the true one can be determined....  
You do not average the two nulls to get the bearings....When taking bearings on very weak beacons, you have to carefully mark the reading when the signal just fades out and then mark the reading on the other side of the broad null. Then you extrapolate, add the two readings and divide by two....

I have used this aboard ship during WW2 to assist the Captain to locate our position after losing convoy in a "pea soup" fog....Don't want to get strung out with "Sea Stories" Hi!

I may have a copy of the manual for that equipment....Several years ago I got a copy to inspect to decide whether I wanted to buy the DF....If I can find it, you're in business (If it is the same DF and I believe the ID rings a bell in my memory)....

Good luck!,

Ken....N5CM....NNN00FKQ....

----- Original Message -----  
From: "philip" <dgnova@erols.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Wednesday, January 08, 2003 4:46 PM

Subject: Re: Navy DAE-1 radio direction finder info

> Normally with loop antennas you first find one nul, then swing it 180  
> degrees for the second nul. You use the average of the two. The  
> sense antenna is for finding which 180 degree direction is the  
> correct one.

> ----- Original Message -----

> From: Richard Subject: Navy DAE-1 radio direction finder info

>

>

> > Anchorites,

> >

> > During the Christmas break, put a Navy DAE-1 radio direction finder

> > on the bench. Pix and report at:

> >

> >

>

-----  
From: W7fni@aol.com

Message-ID: <c1.2ce5a91b.2b4f181b@aol.com>

Date: Thu, 9 Jan 2003 13:23:23 EST

Subject: SX 28 and Hq180 R.f. covers

To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="part1\_c1.2ce5a91b.2b4f181b\_boundary"

--part1\_c1.2ce5a91b.2b4f181b\_boundary

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Greetings to all: I am in need of the cover that goes over the r.f. tubes  
(dog house) for the SX 28 and also the covers that go over the main tuning  
condensers and the band spread condensers for the HQ 180. It a mystery to  
me why anyone whould take these covers and then lose them. Neither of my  
sets had them when I purchased them. As usual any and all help greatly  
appreciated.

Ray Jefferson

w7fni.....since 1934

--part1\_c1.2ce5a91b.2b4f181b\_boundary

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

\* \* \* \* \*

\* ---REMAINDER OF MESSAGE TRUNCATED--- \*

\* This post contains a forbidden message format \*

\* (such as an attached file, a v-card, HTML formatting) \*

\* Mail Lists at theporch.com only accept PLAIN TEXT \*

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\* is not set to send PLAIN TEXT ONLY and needs adjusting \*

\* \* \* \* \*

--part1\_c1.2ce5a91b.2b4f181b\_boundary--

-----

Message-ID: <19f501c2b829\$128b3c80\$3201a8c0@w8ut>  
From: "Al Parker" <anchor@ec.rr.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SX 28 and Hq180 R.f. covers  
Date: Thu, 9 Jan 2003 16:50:06 -0500

Hi Ray,

I also don't know why the SX-28 covers get lost, but Hammarlund recommended doing away with the covers for the main & bandspread tuning capacitors in the 170's & 180's, and didn't put the in the later models.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

<http://www.thecompendium.net/radio/>

<http://www.hammarlund.info>

----- Original Message -----

From: <W7fni@aol.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Thursday, January 09, 2003 1:23 PM  
Subject: SX 28 and Hq180 R.f. covers

> Greetings to all: I am in need of the cover that goes over the r.f. tubes  
> (dog house) for the SX 28 and also the covers that go over the main tuning  
> condensers and the band spread condensers for the HQ 180. It a mystery  
> to  
> me why anyone whould take these covers and then lose them. Neither of my  
> sets had them when I purchased them. As usual any and all help greatly  
> appreciated.  
> Ray Jefferson  
> w7fni.....since 1934  
>

-----

Message-ID: <3E1E0424.D3D1DBD2@cox.net>  
Date: Thu, 09 Jan 2003 16:22:11 -0700  
From: David Hollander <n7rk@cox.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: For Sale: Various Items  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Here is a bunch of stuff for sale. Prices do not include shipping unless specified.

Click on the links for pictures.

Parting out the following radios:

Hallicrafters SX-96  
Hammarlund HQ-110  
Swan 350

What do you need?

Collins Radio 200 mA meter and Collins Radio 25 mA meter  
2 inch diameter and outside dimensions are 2.25 inches x 2.25 inches  
Possibly from a KWS-1? Don't know as I'm not a Collins guy  
Both are electrically good but the 25 mA has a cracked glass.....  
\$50 for the pair  
<http://members.cox.net/radiostuff9/collins200ma.jpg>  
<http://members.cox.net/radiostuff9/collins25ma.jpg>

RCA WV-97 VTVM with WR-69A test probe.....\$30  
Has a genuine RCA Laboratory decal on the top! Working but  
needs calibration  
[http://members.cox.net/radiostuff9/rca\\_wv97a.jpg](http://members.cox.net/radiostuff9/rca_wv97a.jpg)  
[http://members.cox.net/radiostuff9/rca\\_wv97a2.jpg](http://members.cox.net/radiostuff9/rca_wv97a2.jpg)  
[http://members.cox.net/radiostuff9/rca\\_wv97a3.jpg](http://members.cox.net/radiostuff9/rca_wv97a3.jpg)

Viking Mobile VFO Dial Scale.....\$12  
<http://members.cox.net/radiostuff9/vikingvfo.jpg>

Century In-Circuit Capacitor Checker with manual.....\$35  
A compact unit that works great. Requires a "cheater cord" type of power  
cord  
which I do not have an extra



<http://members.cox.net/radiostuff9/capchecker.jpg>  
<http://members.cox.net/radiostuff9/capchecker2.jpg>  
<http://members.cox.net/radiostuff9/capchecker3.jpg>

Allied Radio Knight Kit AM-FM Tuner .....\$25

Works great!

<http://members.cox.net/radiostuff9/knightamfmtuner.jpg>  
<http://members.cox.net/radiostuff9/knightamfmtuner2.jpg>

McMurdo Silver Model 900 VOMAX VTVM with manual copy (not working).....\$20

<http://members.cox.net/radiostuff9/silver900.jpg>

GenRad W50MBB Variac Autotransformer - appears new - \$350

<http://members.cox.net/radiostuff9/bigvariatic.jpg>  
<http://members.cox.net/radiostuff9/bigvariatic2.jpg>  
<http://members.cox.net/radiostuff9/bigvariatic3.jpg>

Philco Model 38-38 Wood AM/SW Radio from 1938 (battery radio - nice shape but untested) - \$85

<http://members.cox.net/radiostuff9/philco3838.jpg>  
<http://members.cox.net/radiostuff9/philco38382.jpg>  
<http://members.cox.net/radiostuff9/philco38383.jpg>

Superior Instruments Model 77 VTVM. (3 tube unit with a lighted scale. Inside looks excellent but needs work) ..\$20

<http://members.cox.net/radiostuff9/superiormeter.jpg>

CTS 15 Inch Speaker From Hammond Organ

Sounds great on my workbench receiver which is an SX-96! This would make

a beautiful speaker for a boatanchor receiver if you have an enclosure..... \$60

<http://members.cox.net/radiostuff9/15inchspkr.jpg>  
<http://members.cox.net/radiostuff9/15inchspkr2.jpg>

National Radio Institute instruction pamphlets and a group of NRI Journals

from the 1960's. There are 11 of the journals, 1 service notes book and 65

of study schedule and demonstration booklets and 1964 Golden Anniversary edition

Some good ads on the Conar Twins in the gold

edition.....\$20  
[http://members.cox.net/radiostuff9/nri\\_journals.jpg](http://members.cox.net/radiostuff9/nri_journals.jpg)  
<http://members.cox.net/radiostuff9/nriphamplets.jpg>  
<http://members.cox.net/radiostuff9/nrigold.jpg>

I will ship overseas.

You can check my user ID "n7rk" on Eb\*y  
for a reference as to dealing with me.

Thanks for looking and Happy Holidays,

Dave N7RK

--

\*\*\*\*\*  
Dave N7RK <http://members.cox.net/n7rk>  
Phoenix, Arizona \*DXCC Honor Roll\* \*WAZ#23 - 75 Meter SSB\*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National  
and what ever else looks interesting!

-----  
Message-ID: <3E1E0778.61BC2E2B@cox.net>  
Date: Thu, 09 Jan 2003 16:36:23 -0700  
From: David Hollander <n7rk@cox.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: What Final Amplifier Tubes Go with What Radios  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

A while back I inquired to the lists as what the final amplifier tubes were for a particular transceiver. I received a number of responses. The best however was from Gene WB6SZS linking to a page of his with all of this information. This list gives the final amplifier tubes for hundreds of transmitters and transceivers going back to the 1930's.

I converted this to a pdf file so I could have this information at my fingertips without having to go on-line to get it. I figured this was well worth sharing so here is a link so you can download it. You will need Adobe Acrobat Reader to view this

Here is the link: [http://members.cox.net/n7rk/xmit\\_Tube\\_list.pdf](http://members.cox.net/n7rk/xmit_Tube_list.pdf)

Thanks to Gene for assembling this list. If you have any contributions and corrections, send to [rippen@muchstuff.com](mailto:rippen@muchstuff.com)

73,

Dave N7RK

--

\*\*\*\*\*

Dave N7RK <http://members.cox.net/n7rk>  
Phoenix, Arizona \*DXCC Honor Roll\* \*WAZ#23 - 75 Meter SSB\*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National and what ever else looks interesting!

-----  
Message-ID: <3E1EECC0.3A75EA1C@debitel.net>

Date: Fri, 10 Jan 2003 16:54:55 +0100

From: Heinz und Hannelore Breuer <[hbreuer@debitel.net](mailto:hbreuer@debitel.net)>

MIME-Version: 1.0

To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>

Subject: Astatic D-104 look alike

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi,

I just received a microphone that I thought was a Astatic D-104 with stand. I bought it on ebay (shame on me). In fact it is a Astatic look alike with amplified stand made in Japan for a company called AMERICAN ELECTRONICS INC., 91 North McKinley, Green Wood, IN 46142  
Has anybody heard about this company? I wonder how long it took for Astatic to shut them down.

I will try to negotiate the price with the seller or return the microphone but I am not very optimistic that he will take it back. He offered it as a "predecessor" to the Silver Eagle. As far as I know the D-104 was produced for more than 50 years.

Well, live and learn.

73

de Heinz DH2FA, KM5VT

-----  
From: "Tom Bridgers" <tarheel6@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Graymark 515 Transmitter question  
Date: Fri, 10 Jan 2003 20:51:45 -0500  
Message-ID: <0E65LDiKBsuZ2K4xDh900016e3b@hotmail.com>

Fellow Anchorites...

This has to be the lightest boatanchor Tx of them all. It's a 50's or 60's 100 milli-watt transmitter used to broadcast on the BC band. The guy who sold it to me had no clue which tubes it uses. I can find internet references to the 515, but none that give the tube lineup. Would anyone of you happen to know what the tube lineup is? Would appreciate any help you can give me.

Thanks,  
-tom

-----  
From: "Hue Miller" <kargo\_cult@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Graymark 515 Transmitter question  
Date: Fri, 10 Jan 2003 18:05:11 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Message-ID: <0E2465Y5Qc32om1joKI00002ea8@hotmail.com>

Until someone comes up with better info, i'd guess it's pretty much like the Knight Kit one: 50C5 (2) and one 12AX7. If you cannot get the Graymark schematic, i would start with the Allied one.

I have the Lafayette broadcaster - this one surprised me as it uses 50BM8 (2) and 36AM3. They had to prove they're different, i guess. The tubes do look a little bigger than the 50C5s, that is impressive, altho i'm sure the schematic is pretty much the same.

While on this topic: the old Allied, 'Radio Builders Manual' has schematics of some of these things with some RF tube like 50L6. I have to wonder how powerful some of these hookups were, i would guess some of them pushed the 100mw limit - altho that limit, i believe, was not yet officially established yet- it was probably more "keep range limited to your house".  
Hue Miller

-----  
From: "Tom Bridgers" <tarheel6@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Graymark 515 Transmitter question  
Date: Sat, 11 Jan 2003 08:44:48 -0500  
Message-ID: <0E10833tYwlib4g3Sv000016d95@hotmail.com>

Fellow Anchorites...

Sherry Guttery provided me with a complete schematic and layout for the 515. Answers every question I had and then some!! Many thanks Sherry! Gary Pewitt wanted a copy and I've already sent him one. I'll be glad to send anyone else one too; just let me know.  
Thanks to all for the bandwidth, and  
73's,  
-tom

-----  
Message-ID: <008401c2b9b2\$1efcdac0\$248e56d1@default>  
From: "David L. Thompson" <thompson@mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BA Winter get together at W4UOC  
Date: Sat, 11 Jan 2003 15:43:37 -0500

18 BA enthusiasts got together at W4UOC's for great discussion, to look at his gear, and his gear for sale (if interested try w4uoc@aol.com). He also had his new toys, a 10 meter black widow transceiver and a restored R-388 for all to see. Even Susan, the ARRL GA SM came...

After several hours of eyeballs each attendee swapped wrapped or bagged gifts (supposed to be anything from old gear to restore to old magazines). One BAer got a Heath AR-3, another an early Bird Watt meter, and I came home with a 1954 ARRL Handbook.

I also swapped some gear with N4XY and came home with a RME 6900 receiver and Gonset G-76 with PS that I hope to put on 29Mcs AM.

Thanks to Tom W4UOC for hosting this event.

73 Dave K4JRB

-----  
Message-Id: <5.1.0.14.2.20030111154925.0292fb40@admin.muohio.edu>  
Date: Sat, 11 Jan 2003 15:50:30 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "James C. Garland" <4cx250b@muohio.edu>  
Subject: FWD:Interesting Email from RME engineer  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>Date: Sat, 11 Jan 2003 14:35:54 -0500  
>From: "HOWARD O. TROOP" <hotroop@coastalnet.com>  
>Subject: Radio Manufacturer Engineers, Inc.  
>To: w8zr@arrl.net  
>Reply-to: "HOWARD O. TROOP" <hotroop@coastalnet.com>

>

>I came across your web site while browsing the internet. When I viewed the  
>various RME receivers and equipment pictured, it brought back some fond  
>memories. I was employed by RME, Inc. from 1952 thru 1958 as their  
>machinist. As such, during that period I was involved in various phases of  
>engineering, testing and manufacturing of RME equipment. RME equipment was  
>not limited to short-wave receivers and converters. RME also manufactured  
>VHF television amplifiers and UHF TV converters. RME's slogan was "Time  
>Will Tell". Quality and durability was the mainstay of the company. As  
>you probably know RME equipment has stood the test of time.  
>It was mentioned on your web site that " The RME-6900 (right) and matching  
>speaker dates from 1959-62 and may be the last of the famous RME  
>receivers. (Reputedly, RME made a model 6902, but I've never seen  
>one.)". In 1957 Electro Voice (Buchanan, Michigan) procured RME, Inc.  
>Than about September of 1957, in Washington, Illinois, RME closed the  
>doors and was moved to Buchanan, Michigan. Prior to that event, RME was  
>producing the RME 6900. If there was a RME 6902 it was produced after I left.  
>There were some factors in designing and manufacture of RME 4300 and RME  
>4350 that took some doing. One was the design of the Main Tuning Knob (a  
>planetary drive mechanism composed of a series of ball bearings). The  
>other was silk screening the lettering on the wrinkle finish front panel.  
>Enjoyed reminiscing. Thank you.  
>Howard Troop  
>

-----  
Message-Id: <5.2.0.9.2.20030111133222.01ece310@mail.islandnet.com>

Date: Sat, 11 Jan 2003 13:48:56 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: jan@skirrow.org  
Subject: Re: Need Tektronix 454 Scope Manual  
Cc: boatanchors@theporch.com  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:25 AM 1/3/03, JAMES T HANLON wrote:

>Does anyone know an economical source for a manual for my Tektronix 454  
>scope? It was working fine until a couple of days ago, but now it has  
>absolutely no trace. I don't know whether the time base is refusing to  
>trigger and run or whether the HV is caput or the CRT or what.

>  
>Thanks,  
>  
>Jim Hanlon, W8KGI

Hi Jim ...

Catching up on my email!

I've found that the Beam Finder will almost always verify CRT function (it's on the BW switch on the 454A). Pushing the toggle down should display a centred trace with highish intensity. If you don't see anything, look at the PS first (carefully!). To test out HV PSs I built a multi-resistor chain out of 1Meg Rs. With the power off for a LONGish time, carefully remove the HV cap from the CRT. Double check the absence of voltage, and then connect one end of your R chain to the cap and a DVM across the last before ground. Select your Rs so that the voltage drop across any one is no more than the breakdown voltage of the R coating (depends on kind of R) and so that the voltage you're actually measuring is well within the range of your DVM. If you haven't got HV wire to connect your R chain, be sure to keep whatever you do use well away from anything that might conduct - especially yourself! The R chain should bleed off the HV when you turn the power off. To be extra safe, short the HV cap to ground through a 1 meg R. Back in my TV fixing days we used a stick with a grounded lead taped to the hot end. But BE CAREFUL - most of us don't need a HV pulse thru the ticker, even if it is low current.

There are other possibilities as well - but this is a place to start.

Fair Radio has (had?) replacement CRTs for the 454A. Expensive, but cheaper than a new scope of the 454's quality. However, it's pretty unusual for a CRT to simply 'break' - it's more likely to slowly fade away ...

Jan Skirrow, VE7DJX

-----  
Message-ID: <002901c2b9dc\$36a630c0\$d46ddb0@rjmattson>  
From: "R.J. Mattson" <rjmattson@hvi.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Hallicrafters External S-Meter.  
Date: Sat, 11 Jan 2003 20:44:56 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have what I think is a external Hallicrafters S-Meter.  
It is in a gray 5x5x4" sloped box with a black skirt

and a cable/5-pin plug.  
Would anyone know the model number and what  
it was used with?  
Click below for views:

Full view <http://www.hvinet.com/rjmattson/halsmeter>

Close-up <http://www.hvinet.com/rjmattson/halsmeter2>

Regards,  
Bob Mattson...W2AMI  
<http://www.qrz.com/callsign/w2ami>

-----  
Message-ID: <002201c2b9e8\$77fcc280\$cda2cdd1@ebjr>  
From: "Sandy W5TVW" <ebjr@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Hallicrafters External S-Meter.  
Date: Sat, 11 Jan 2003 21:12:40 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You might query Chuck Dachis about that. He has a website I think. He is a very  
avid Hallicrafters collector..

73,

Sandy W5TVW

----- Original Message -----

From: "R.J. Mattson" <rjmattson@hvi.net>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Saturday, January 11, 2003 7:44 PM  
Subject: Hallicrafters External S-Meter.

| I have what I think is a external Hallicrafters S-Meter.  
| It is in a gray 5x5x4" sloped box with a black skirt  
| and a cable/5-pin plug.  
| Would anyone know the model number and what  
| it was used with?  
| Click below for views:  
|  
| Full view <http://www.hvinet.com/rjmattson/halsmeter>  
|



| Close-up <http://www.hvinet.com/rjmattson/halsmeter2>

| Regards,  
| Bob Mattson...W2AMI  
| <http://www.qrz.com/callsign/w2ami>

-----  
From: "Hue Miller" <kargo\_cult@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Graymark part-15 BC blaster  
Date: Sat, 11 Jan 2003 21:13:33 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Message-ID: <0E103iQTyfPefLJGWSa00009f38@hotmail.com>

Thanks, Tom, for the schematic.

BTW, let me herewith appeal for a schematic for the Lafayette LA-23 broadcaster.

I noted with great interest that the Graymark uses series modulation, with the lower 50C5, the modulator, apparently running with a resting voltage of 8 ( eight ) volts, while the oscillator runs at 112 jolts. The oscillator runs with the screen supply as normal, while the Knight, if i recall, ties screen and plate together. I don't know which would run more power, i suspect the Knight way, since the screen goes to the same B+ as the plate, no dropping resistor. ( In any case, the original Knight design i thought was pretty effective, because it seemed to come up with less than 100 mw input consistently and fool-proof. ) Seems to me the Knight, with Heising (choke) modulation, limited the modulation to around 70-80% absolute max - no bottoming out possible. With the Graymark, i think you could get more modulation,

but i think you could maybe overmodulate, if the "bottom" 50C5 ran into cutoff.

Other opinions on that?

As to Tom's comment that they ran 50C5 + 50C5 + 12AV6 = 112 volts, i'd say they were maybe working on the old standard of 117 jolts mains power, so that isn't

too far off, and Graymark saved themselves a few pennies also. So the 50C5 gets maybe

2.something extra volts, and the 12AV6 an extra volt. Not the best for long-life,

but probably lots of car and aircraft radios ran hot also. With 120 volts mains

power it probably still could squeek by. If your home is regularly at 125, the purist

way might be to insert a few ohms in the filament string. Dunno what i'd do. I have

to tell you i really do not like these 50 and 35 volt tubes, they ran too darn hot and

make me think more of light bulbs than radio tubes. Seems to me that if they had to

have tubes run at 50 or 100 volts, they could have lowered the current to 50 mA

-or less! - from that ridiculous flameout 150 mA.

All this thinkin' about "wireless broadcasters" has me itchin' to grab some plastic

kitchen radio and convert it to a broadcaster. I used to be able to do this blindfolded,

using only a scissors and scotch tape. ( Handwired circuits, of course, no printed

circuits ) Learned it from watching the old Phil Silver TV program, "Sargeant Bilko".

-Hue Miller

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End of BOATANCHORS Digest 3432

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